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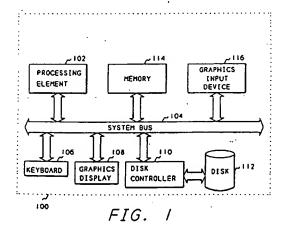
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Common symbol library architecture.

Disclosed is a schematic capture and design verification system wherein the graphic symbol (402) linked to a component is separated from the model (422, 426) used to simulate the component. Each component has a graphics symbol (402) linked to a link or scion page (404). The link page (404) also contains a list of all models that can be used with the component. The system allows a model to be selected (406) for each component in a schematic, and allows the model to be changed at any time. The system also allows the models for all components to be changed with a single command. The user enters a schematic (602) into the system, then selects a model for each component used in the schematic. After a model has been selected for each component, the user requests the system to build a netlist that describes the schematic to a simulator or other analysis or synthesis tool. In building the netlist (616), parameters are extracted from the link page for each component and included in the netlist to be used by the simulator. When a different simulation is desired by the user, the user instructs the system to change the model linked to the components to a new model suitable to the second simulator. The system then builds a new netlist, using parameters

specific to the new model and the second simulator.





## **EUROPEAN SEARCH REPORT**

Application Number

EP 90 31 3566

Category	Citation of document with of relevant	indication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A .	IEEE INTERNATIONAL CONFERENCE ON CIRCUITS AND COMPUTERS SEPTEMBER 28 - OCTOBER 1 1982 NEW YORK US pages 503 - 506 KAWAMOTO 'schematic entry system with a		1,2,5,6, 11	
	* page 505, column	2, line 35 - line 40 * 2, line 1 - line 16 * 1, line 5 - line 10;		· ,
	ELECTRONIC DESIGN. vol. 35, no. 5, Ma HEIGHTS, NEW JERSE pages 96 - 102 BENEDICT ET AL 'ver capture set caters designers'	rsatile schematic	1,2,5,6,	
	* page 97, column : figure 2 *	1, line 36 - line 43;		TECHNICAL FIELDS
	MASSACHUSETTS US pages 175 - 184 WATERS ET AL 'use a port component lib	Tebruary 1987, NEWTON,  an interchange format to raries  1, line 26 - page 177,	1,2,5,6,	GO6F
1	EP-A-0 196 940 (FA) CORPORATION) . 8 October 1986	IRCHILD SEMICONDUCTOR	·	
	The present search report has t	een drawn up for all claims		
	Place of search	Date of completion of the search		Economic
Ti	HE HAGUE	26 MARCH 1993	0	GUINGALE A.
X : partic Y : partic docur A : techn	ATEGORY OF CITED DOCUME cularly relevant if taken alone cularly relevant if combined with an ment of the same category sological background written disclosure	NTS T: theory or principl E: earlier patent doc after the filing do	e underlying the unment, but publicate in the application or other reasons	invention thed on, or